Ice Seasonality InvestigationRiver Freeze-Up Data Sheet

School Name:		Study Site: ICE		
Observer Names:				
Date: Year:	Month: Day	<i>T</i> :		
Local Time (hour:min):	Month: Day Universal T	Cime (hour:min):		
General Freeze-Up Ice	Observations:			
Upstream (border ice onl				
	idth covered by border ice:			
Changes in border ice:		☐ None ☐ Fractured ☐ Flooding ☐ Movement		
Downstream (border ice				
Estimate fraction of width covered by border ice: %				
Changes in border ice:		☐ None ☐ Fractured ☐ Flooding ☐ Movement		
Across stream (ice in open water only):				
Ice types:		☐ None ☐ Frazil ☐ Pancakes (< 3 m across)		
		☐ Floes (> 3 m across)		
		,		
Frost smoke?		☐ Yes ☐ No		
Ice surface:		Blocky/Broken/Jumbled □ Wet/Flooded		
(may choose more than 1) ☐ Holes/Leads ☐ Bare	(melting) ☐ Ice jam		
Snow on ice:	☐ None (cold) ☐ New,	patchy ☐ New, continuous		
	☐ Stable with new snov	v layer □ Stable/No change □ Wind redistributed		
	☐ Icy crust ☐ Melting/			
Snow on bank/shore:		✓ □ New, continuous □ Stable with new snow layer		
		Wind redistributed □ Icy crust □ Melting/Wet		
	Butter 110 change B	Wind redistributed 15 rey crust 15 Westing, wet		
Environmental Observations:				
Cloud Cover: •	If Three-quarters or More of	f the Sky is Visible: (Check one)		
	No Clouds Clear	Isolated Scattered		
	□ 0%-No Clouds □ <10% Cloud	ds □ 10-25% Clouds □ 25-50% Clouds		
	Broken Overcast			
	□ 50-90% Clouds □ >90% Clou	nds		
•	If View of More than One-qu	uarter of the Sky is Blocked:		
	<i>Obscured</i> □ Check here			
	1177	1 19 (CL 1 11 d (1 1 1		
		ocked? (Check all that apply)		
	-	low ☐ Heavy Rain ☐ Fog ☐ Spray		
W'14. —	□ Volcanic Ash □ Smoke □			
Wind*: ☐ Calm (<0.3 m/s) ☐ Light wind (0.3-5.5 m/s) ☐ Windy (>5.5 m/s)				
Precipitation type: ☐ None ☐ Snow flurries ☐ Snowing ☐ Fog/Drizzle ☐ Rain ☐ Freezing rain				

^{*}See Ice Seasonality Investigation Field Guide for definitions.

Environmental Observation Comments:				
	ohotos from your o oto view (so the Down, or Across	camera, rename them to follow the convention format would be: ICE-99_YYMMDD_XXXXXX s).		
Across photo:	ICE	Across		
Comments:				
Upstream photo:				
Comments:				
Downstream photo:	ICE	Down		
Comments:				
Optional Additional P	O 1	<u> </u>		
Additional photo 1:	ICE			
Comments:				
Additional photo 2:	ICE			
Comments:				
Additional photo 3:	ICE			
Other Comments:				